

SYNTHERM 55

HEAT TRANSFER OIL

230061/11.20

Rev. 1

DESCRIPTION & APPLICATIONS

SYNTHERM 55 is a synthetic fluid based on polyalkyleenglycol (PAG) for heat transfer in which the nature of this product ensures the purity of the circuit.

The decomposition products of 55 SYNTHERM occurring under extreme conditions are neutralized by the liquid itself. This avoids mud or gum.

To ensure good heat transfer without extreme temperatures reach into the contact zone between the heating element and the liquid, the heating surface large enough (+, - 30 kW / m²). At a temperature of eg 260 ° C the ideal temperature difference between the oil bath and the contact surface of the heater between 12 and 28 ° C. This assumes that temperature at a circulation speed of 3 m / s.

Note: SYNTHERM 55 is not compatible with mineral oil. It is recommended to empty and rinse the crancckase.

ADVANTAGES

- Anti-oxidant properties.
- Extended life compared to a mineral base.
- High thermal conductivity.
- Thermal stability .

ENVIRONMENT, HEALTH & SAFETY

Please consult also the Safety Data Sheet about how to manipulate and to stock the product as well as to learn about the first aid measurements in case of accident.

Elimination after use must be made in conformity with the local rules in force about used oils disposal.

When needed, Safety Data Sheet can be obtained upon request.

Conservation of the product: 3 year(s) in closed container and sheltered.

SYNTHERM 55

PROPERTIES

CHARACTERISTICS	UNITS	METHODS	TYPICAL DATA
Specific gravity at 15°C	kg/m ³	NFT 60101	1039
Kinematic viscosity at 25°C	mm ² /s (cSt)	NFT 60100	112,7
Kinematic viscosity at 40°C	mm ² /s (cSt)	NFT 60100	61
Kinematic viscosity at 100°C	mm ² /s (cSt)	NFT 60100	11,8
Viscosity index	-	NFT 60136	195
Flash point	°C	NFT 60118	244
Combustion point	°C	NFT 60118	315
Specific heat	kcal/kg/°C	-	0,6

The average values are given for information only.